

Claims

- [c1] A crack sealing apparatus for sealing cracks in pavement comprising:
 - a repository for storing sealant;
 - a hose attached to the repository;
 - a heated housing for retaining the hose during application of the sealant; and
 - a pump for transporting sealant from the repository through the hose.
- [c2] The crack sealing apparatus of claim 1 wherein said heated housing for retaining the hose comprises a trough.
- [c3] The crack sealing apparatus of claim 2 further comprising a cover for enclosing the hose inside the trough.
- [c4] The crack sealing apparatus of claim 2 wherein said trough is located around an outside of said repository.
- [c5] The apparatus of claim 2 further comprising at least one attachment member for attaching the trough to the crack sealing apparatus.
- [c6] The crack sealing apparatus of claim 2 wherein the

trough comprises a plurality of trough sections.

- [c7] The crack sealing apparatus of claim 6 wherein at least one of the trough sections comprises a support member for attaching other trough sections to one another.
- [c8] The crack sealing apparatus of claim 2 wherein the trough includes a tubular member having a hot liquid or gas circulating therethrough.
- [c9] The crack sealing apparatus of claim 8 wherein a transfer oil is circulated through the tubular member.
- [c10] The crack sealing apparatus of claim 8 wherein the tubular member comprises a plurality of pipe members sequentially connected to one another .
- [c11] The crack sealing apparatus of claim 8 further comprising a second, smaller trough member having a recirculation loop contained therein for retaining the hot liquid or gas, wherein the second, smaller trough member is connected to the tubular member so that the hot liquid or gas transported through the tubular member is directed back to the repository.
- [c12] The crack sealing apparatus of claim 8 wherein the tubular member is positioned in the bottom of the trough and the hose containing sealant lies directly on top of

the tubular member.

[c13] The crack sealing apparatus of claim 1 further comprising a continuous, closed loop tubular member having a hot liquid or gas circulating therethrough wherein said tubular member is positioned within both the repository for the sealant and the housing for the hose.

[c14] The crack sealing apparatus of claim 13 wherein a portion of said tubular member contained within the repository comprises at least one coil like shape.

[c15] An apparatus for sealing cracks in pavement comprising:
a repository for storing and heating sealant;
a hose attached to the repository;
a pump for transporting sealant from the repository through the hose;
a trough for retaining and heating the hose; and
a tubular member located within the trough having a hot liquid or gas circulating therethrough for heating sealant contained within the hose.

[c16] The apparatus of claim 15 further comprising a cover for enclosing the hose inside the trough.

[c17] The apparatus of claim 16 wherein said cover comprises a rubber flap.

- [c18] The apparatus of claim 15 further comprising an attachment member for attaching the trough to the apparatus.
- [c19] The apparatus of claim 15 wherein the tubular member is located on a bottom interior surface of the trough.
- [c20] The apparatus of claim 15 wherein the tubular member comprises a closed, continuous loop.
- [c21] The apparatus of claim 19 wherein the tubular member comprises two parallel tube members having a pair of first ends and a pair of second ends wherein said pair of first ends are connected to said repository and said pair of second ends are connected to a second, smaller trough member for holding an applicator gun attached to the hose, the second, smaller trough having a recirculation loop contained therein for retaining and circulating the hot liquid or gas back toward the repository.
- [c22] The apparatus of claim 15 wherein the trough comprises an upper trough section and a lower trough section with the upper trough section positioned directly above the lower trough section.
- [c23] The apparatus of claim 22 wherein the trough further comprises a support section for connecting the upper trough section to the lower trough section.

[c24] The apparatus of claim 15 wherein said tubular member comprises a plurality of pipe members.